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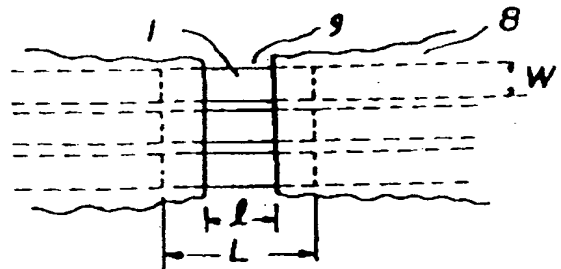
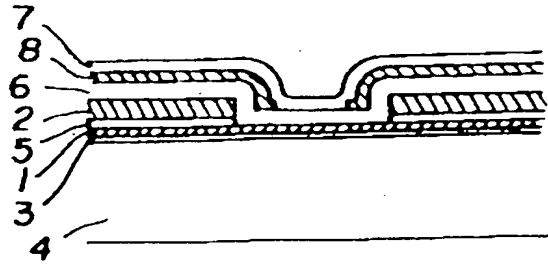
APPLICATION DATE : 06-06-83
APPLICATION NUMBER : 58099404

APPLICANT : HITACHI LTD;

INVENTOR : YABUSHITA AKIRA;

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TITLE : THERMAL RECORDING HEAD



ABSTRACT : PURPOSE: To obtain the same good image in spite of the feed direction of a manuscript to be printed by allowing the aspect ratio of a print picture element to approach to 1:1, by providing a layer for taking out generated heat from a part of a resistor in the longitudinal direction thereof to the resistor.

CONSTITUTION: A heat diffusion layer 8, which has a length (l) shorter than the length L of each of resistors 1 in the electrode direction thereof and is provided with a slit 9 having a width longer than the width W of the resistors 1 in the arrangement direction thereof and comprises a good heat conductive material, is provided between the protective layers 6, 7 provided to the upper layer part of each resistor 1. By this structure, heat generated from the resistors 1 is dissipated to the outside through the heat diffusion layer 8 at a part where said layer 8 is present to be prevented from reaching the protective layer 7 and heat is transferred to the protective layer only at a part corresponding to the part of the slit 9 of the heat diffusion layer 8. On the other hand, there is no change in the with direction of the resistor 1. Therefore, the aspect ratio of a print picture element approaches to 1:1 and the lowering in image quality due to a printing direction can be prevented. Because the resistor 1 itself is not made short, the life of the resistor 1 is not shortened.

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